

CLAIMS

1. A ($\gamma\delta$ T) cell activity enhancer containing an (extract) of *Lentinus edodes* mycelium.

2. A pharmaceutical or veterinary $\gamma\delta$ T cell activity enhancer comprising an (extract) of *Lentinus edodes* mycelium and a pharmaceutically acceptable carrier.

3. The $\gamma\delta$ T cell activity enhancer of claim 1 or 2 for oral administration.

4. The $\gamma\delta$ T cell activity enhancer of claim 1 in the form of a food.

5. The $\gamma\delta$ T cell activity enhancer of claim 1 in the form of a drink.

6. The $\gamma\delta$ T cell activity enhancer of claim 1 in the form of a feed.

7. The $\gamma\delta$ T cell activity enhancer of claim 1 or 2 for injection or percutaneous absorption.

8. The $\gamma\delta$ T cell activity enhancer of claim 1 for in vitro activating $\gamma\delta$ T cells collected from a subject.

9. The $\gamma\delta$ T cell activity enhancer of any one of claims 1 to 8 used for treating tumor.

10. The $\gamma\delta$ T cell activity enhancer of any one of claims 1 to 8 used for preventing or treating a bacterial infection or a viral infection.

11. A method for treating a tumor of a subject by administering in vivo the $\gamma\delta$ T cell activity enhancer of claim 9.

12. A method for preventing or treating a bacterial infection or a viral infection in a subject by

administering in vivo the $\gamma\delta$ T cell activity enhancer of
claim 10.

(13.) A use of an extract of *Lentinus edodes* mycelium
for the preparation of a $\gamma\delta$ T cell activity enhancer.

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